## SEQUENCE LISTING

<110> SOLVAY PHARMACEUTICALS B.V. <120> Novel human G-protein coupled receptor <130> SPW99.04 <140> <141> <160> 18 <170> PatentIn Ver. 2.1 <210> 1 <211> 1659 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (36)..(1559) <400> 1 53 geetgeaace tgteyeacge cetetggetg ttgce atg acg tee ace tge ace Met Thr Ser Thr Cys Thr 101 aac age acg cgc gag agt aac age age cac acg tgc atg ccc ctc tcc Asn Ser Thr Arg Glu Ser Asn Ser Ser His Thr Cys Met Pro Leu Ser 10 aaa atg ccc atc agc ctg gcc cac ggc atc atc cgc tca acc gtg ctg 149 Lys Met Pro Ile Ser Leu Ala His Gly Ile Ile Arg Ser Thr Val Leu 25 gtt atc ttc ctc gcc gcc tct ttc gtc ggc aac ata gtg ctg gcg cta 197 Val Ile Phe Leu Ala Ala Ser Phe Val Gly Asn Ile Val Leu Ala Leu 45 gtg ttg cag cgc aag ccg cag ctg ctg cag gtg acc aac cgt ttt atc Val Leu Gln Arg Lys Pro Gln Leu Leu Gln Val Thr Asn Arg Phe Ile 60 ttt aac ctc ctc gtc acc gac ctg ctg cag att tcg ctc gtg gcc ccc 293 Phe Asn Leu Leu Val Thr Asp Leu Leu Gln Ile Ser Leu Val Ala Pro 75 341 tgg gtg gtg gcc acc tct gtg cct ctc ttc tgg ccc ctc aac agc cac Trp Val Val Ala Thr Ser Val Pro Leu Phe Trp Pro Leu Asn Ser His 90 95 ttc tgc acg gcc ctg gtt agc ctc acc cac ctg ttc gcc ttc gcc agc 389 Phe Cys Thr Ala Leu Val Ser Leu Thr His Leu Phe Ala Phe Ala Ser 105 110

_				-	_			gtg Val	_	_						437
								atg Met								485
								gcc Ala								533
								ttt Phe 175								581
								agc Ser								629
								gtc Val								677
		_	_	_			_	cat His	_	_	_			_	_	725
								aag Lys								· 773
								gag Glu 255								821
_	-	_		-			-	aag Lys	-	-			-	_	-	869
								aag Lys								917
								agc Ser								965
_		_	_	_		_	-	gag Glu		_	_		_			1013
					_	-	-	gac Asp 335			_			-		1061
cag	tgc	agc	att	gac	ttg	ggt	gaa	gat	ggc	atg	gag	ttt	ggt	gaa	gac	1109

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Gln	Cys	Ser 345	Ile	Asp	Leu	Gly	Glu 350	Asp	Gly	Met	Glu	Phe 355	Gly	Glu	Asp	
	atc Ile 360															1157
	ctc Leu															1205
	tgc Cys															1253
	tat Tyr															1301
	tgg Trp															1349
	atc Ile 440															1397
	tac Tyr										Gln					1445
	ttc Phe															1493
	ccc Pro															1541
	tct Ser					tgaa	agtta	agt t	ctaa	aggca	aa ad	cctt	gaaaa	a		1589
tca	gtcct	ctc a	agcca	acago	ct at	ttaç	gagct	t tta	aaaa	ctac	cag	gttca	aat o	cacto	ggttat	1649
gct <sup>.</sup>	ttct	gtg														1659
<210> 2 <211> 508 <212> PRT <213> Homo sapiens																
	0> 2 Thr	Ser	Thr	Cys 5	Thr	Asn	Ser	Thr	Arg 10	Glu	Ser	Asn	Ser	Ser 15	His	

Thr Cys Met Pro Leu Ser Lys Met Pro Ile Ser Leu Ala His Gly Ile 25 Ile Arg Ser Thr Val Leu Val Ile Phe Leu Ala Ala Ser Phe Val Gly Asn Ile Val Leu Ala Leu Val Leu Gln Arg Lys Pro Gln Leu Leu Gln 55 Val Thr Asn Arg Phe Ile Phe Asn Leu Leu Val Thr Asp Leu Leu Gln Ile Ser Leu Val Ala Pro Trp Val Val Ala Thr Ser Val Pro Leu Phe Trp Pro Leu Asn Ser His Phe Cys Thr Ala Leu Val Ser Leu Thr His Leu Phe Ala Phe Ala Ser Val Asn Thr Ile Val Leu Val Ser Val Asp Arg Tyr Leu Ser Ile Ile His Pro Leu Ser Tyr Pro Ser Lys Met Thr 135 Gln Arg Arg Gly Tyr Leu Leu Tyr Gly Thr Trp Ile Val Ala Ile 150 Leu Gln Ser Thr Pro Pro Leu Tyr Gly Trp Gly Gln Ala Ala Phe Asp 165 Glu Arg Asn Ala Leu Cys Ser Met Ile Trp Gly Ala Ser Pro Ser Tyr 180 185 Thr Ile Leu Ser Val Val Ser Phe Ile Val Ile Pro Leu Ile Val Met 195 200 Ile Ala Cys Tyr Ser Val Val Phe Cys Ala Ala Arg Arg Gln His Ala 215 Leu Leu Tyr Asn Val Lys Arg His Ser Leu Glu Val Arg Val Lys Asp Cys Val Glu Asn Glu Asp Glu Glu Gly Ala Glu Lys Lys Glu Glu Phe Gln Asp Glu Ser Glu Phe Arg Arg Gln His Glu Gly Glu Val Lys Ala 260 265 Lys Glu Gly Arg Met Glu Ala Lys Asp Gly Ser Leu Lys Ala Lys Glu 275 280 Gly Ser Thr Gly Thr Ser Glu Ser Ser Val Glu Ala Arg Gly Ser Glu 295 Glu Val Arg Glu Ser Ser Thr Val Ala Ser Asp Gly Ser Met Glu Gly 305 310 315

Gln Trp Val Ile Thr Ile Ile Ile Trp Leu Phe Phe Leu Gln Cys Cys H Ile His Pro Tyr Val Tyr Gly Tyr Met His Lys Thr Ile Lys Lys Glu 455 Ile Gln Asp Met Leu Lys Lys Phe Phe Cys Lys Glu Lys Pro Pro Lys 475 Glu Asp Ser His Pro Asp Leu Pro Gly Thr Glu Gly Gly Thr Glu Gly 485 Lys Ile Val Pro Ser Tyr Asp Ser Ala Thr Phe Pro 500 505 <210> 3 <211> 27 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer <220> <221> variation <222> (19) <223> Degenerated primers <220> <221> variation <222> (22)

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Gly Arg Thr Glu Val Asn Gln Cys Ser Ile Asp Leu Gly Glu Asp Gly 345

Met Glu Phe Gly Glu Asp Asp Ile Asn Phe Ser Glu Asp Asp Val Glu 360

Ala Val Asn Ile Pro Glu Ser Leu Pro Pro Ser Arg Asn Ser Asn

Ser Asn Pro Pro Leu Pro Arg Cys Tyr Gln Cys Lys Ala Ala Lys Val

Ile Phe Ile Ile Phe Ser Tyr Val Leu Ser Leu Gly Pro Tyr Cys

Phe Leu Ala Val Leu Ala Val Trp Val Asp Val Glu Thr Gln Val Pro

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The state of the s	<223> Modified base : 3'-deoxyadenosine	
v T	4400	
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ω,	acggtgggca acacggtgac ggcgtta	27
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74 <u>.</u>	<211> 24 <212> DNA		
1.24 1.24	<213> Artificial Sequence		
	12137 All Clifforda Boddonoo		
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